

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: NEO-RAY

Report Number: P888247

Luminaire Tested: **DPT5-6FO55-127S27-A-XX-UDD**

Issue Date: 10/24/2024

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



Test Information

Test Method: LM-79-08
Report Number: P888247
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (DEFINE LENGTH SCALING TOOL)
Test Lab: INNOVATIONS CENTER
Issue Date: 10/24/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: DPT5-6FO55-127S27-A-XX-UDD
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

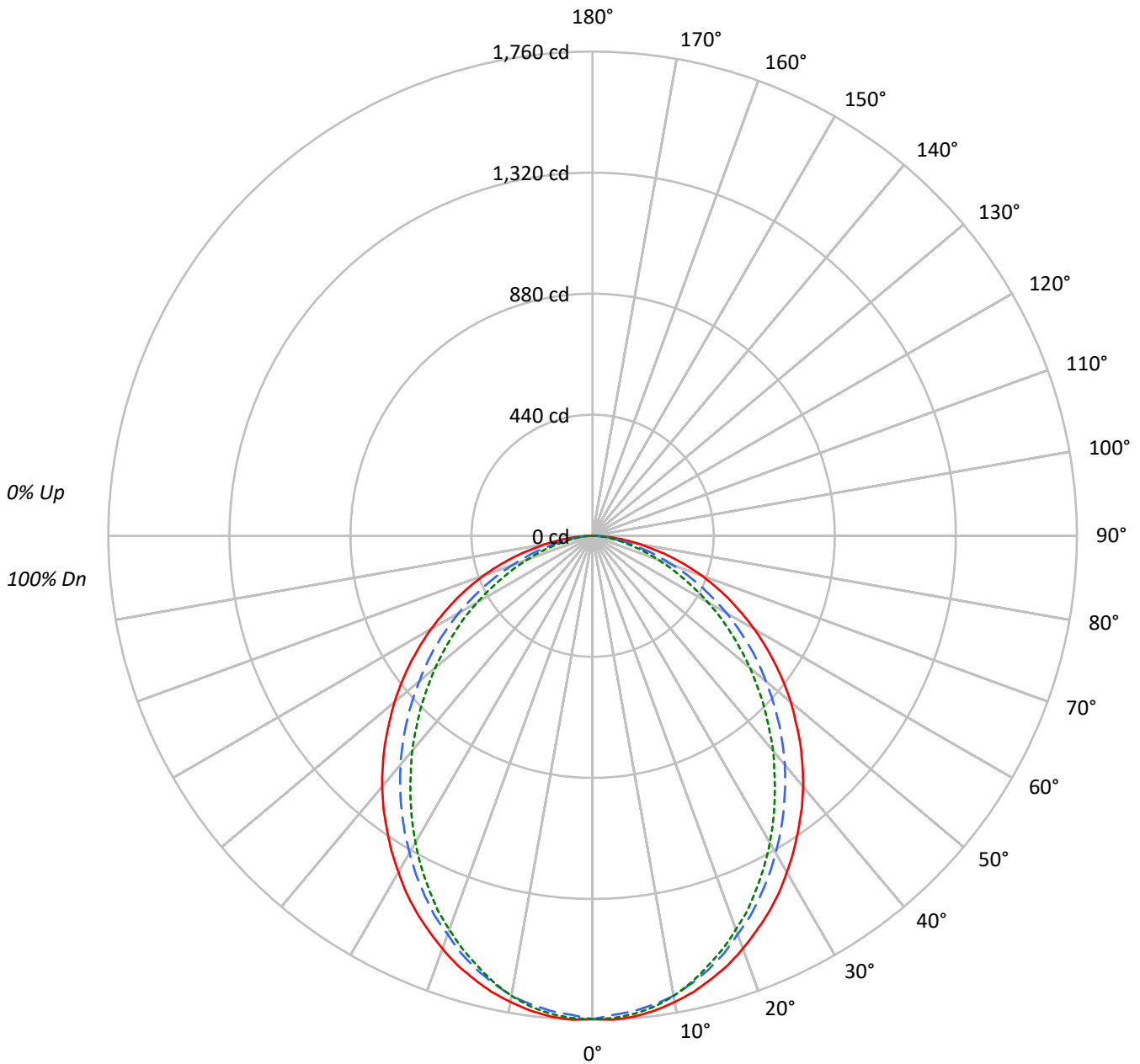
Lumens per Lamp: N/A
Luminaire Lumens: 4150.0 lumens
Efficiency: N/A
Efficacy: 92.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 4.31' x L: 0.39' x H: 0')
CIE Type: Direct

Input Watts (W): 45
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85																			
2	100	92	86	80	98	90	84	79	87	82	78	84	79	76	81	77	74	72																			
3	92	82	74	68	89	80	73	67	77	71	66	74	69	65	72	67	64	61																			
4	84	73	64	58	82	71	64	57	69	62	57	67	61	56	64	59	55	53																			
5	78	65	57	50	76	64	56	50	62	55	49	60	54	49	58	53	48	46																			
6	72	59	50	44	70	58	50	44	56	49	44	55	48	43	53	47	43	41																			
7	67	54	45	39	65	53	45	39	51	44	39	50	43	39	49	43	38	36																			
8	62	49	41	35	61	48	41	35	47	40	35	46	39	35	45	39	34	33																			
9	58	45	37	32	57	45	37	32	44	37	32	42	36	31	41	36	31	29																			
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	11218	11218	11218
5°	11244	11116	11182
10°	11158	11011	11011
15°	11027	10787	10702
20°	10854	10476	10351
25°	10656	10170	9947
30°	10410	9812	9500
35°	10157	9444	8998
40°	9922	9058	8506
45°	9633	8626	7968
50°	9345	8159	7409
55°	9012	7714	6812
60°	8675	7167	6167
65°	8281	6537	5429
70°	7829	5744	4683
75°	7203	4846	3899
80°	6344	3810	3277
85°	5334	3122	2924



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.3	4.0
10°-20°	462.0	11.1
20°-30°	669.9	16.1
30°-40°	763.2	18.4
40°-50°	743.9	17.9
50°-60°	626.0	15.1
60°-70°	438.7	10.6
70°-80°	224.9	5.4
80°-90°	56.1	1.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1297.2	31.3
0°-40°	2060.4	49.6
0°-60°	3430.3	82.7
0°-90°	4150.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4150.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1757	1757	1757	1757	1757	
5°	1754	1749	1734	1747	1744	166
15°	1668	1660	1632	1630	1619	470
25°	1512	1492	1443	1426	1412	696
35°	1303	1271	1211	1173	1154	816
45°	1067	1028	955	902	882	823
55°	809	767	693	633	612	724
65°	548	503	433	379	359	543
75°	292	252	196	167	158	308
85°	73	49	43	41	40	84
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1756.6	1756.6	1756.6	1756.6	1756.6
2.5°	1760.5	1756.6	1743.3	1756.6	1755.1
5°	1753.9	1748.7	1734.0	1747.0	1744.3
7.5°	1740.6	1735.2	1718.0	1728.6	1726.1
10°	1720.7	1716.7	1698.0	1702.2	1698.0
12.5°	1698.0	1692.6	1666.0	1668.8	1662.4
15°	1667.8	1659.7	1631.6	1630.4	1618.6
17.5°	1635.8	1624.0	1590.5	1584.1	1574.7
20°	1597.1	1584.1	1541.5	1534.9	1523.1
22.5°	1554.8	1541.5	1496.7	1482.0	1472.4
25°	1512.2	1492.3	1443.3	1426.1	1411.6
27.5°	1464.7	1440.6	1388.9	1366.6	1352.0
30°	1411.6	1386.5	1330.6	1300.4	1288.3
32.5°	1359.7	1329.4	1272.3	1237.8	1222.1
35°	1302.8	1271.1	1211.3	1172.9	1154.2
37.5°	1248.4	1209.8	1148.8	1104.0	1085.0
40°	1190.1	1150.2	1086.5	1036.1	1020.3
42.5°	1128.8	1087.7	1021.3	973.8	948.4
45°	1066.6	1028.4	955.1	902.2	882.2
47.5°	1001.4	962.0	888.6	834.5	811.9
50°	940.6	896.8	821.2	765.6	745.7
52.5°	874.1	829.3	758.7	697.7	677.7
55°	809.4	766.8	692.8	633.0	611.8
57.5°	743.0	697.7	626.3	567.7	549.3
60°	679.2	633.0	561.1	502.8	482.8
62.5°	611.8	567.7	494.9	441.7	421.8
65°	548.0	502.8	432.6	379.2	359.3
67.5°	484.1	439.3	371.4	321.2	305.4
70°	419.3	374.1	307.6	266.5	250.8
72.5°	355.6	311.8	250.8	213.6	204.5
75°	291.9	252.0	196.4	167.3	158.0
77.5°	226.7	194.9	148.4	126.2	118.1
80°	172.5	140.8	103.6	91.5	89.1
82.5°	119.4	91.5	69.2	64.7	63.7
85°	72.8	49.0	42.6	41.1	39.9
87.5°	30.8	21.2	19.9	19.9	18.5
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)